

حمل الآن

مجاناً وحصرياً

المراجعة رقم (1)

اختبار شهر اكتوبر



A day is enough

راجع وتمكن
فى واحد يوم

Lesson 1 Green Technology

1 Choose the correct answer from a, b, c or d.

- Egypt has recently used electric vehicles powered by
a. gas b. fuel c. wind-power d. batteries
- Green technology is sometimes referred to as technology.
a. sustainable b. clean c. both a&b d. digital
- are used to convert sunlight into electricity.
a. Solar panels b. Smart transportation
c. Hydropower d. Wind
- We use to enhance energy efficiency within the transportation sector.
a. smart transportation b. turbines
c. solar panels d. organic materials
- are used to regulate temperatures and operate lights in different ways.
a. Sensors b. Solar energy c. Recycling d. Watertreatment

Answer		Explanation
(1)	batteries	Egypt has used electric vehicles powered by batteries as an alternative to fuel powered cars to protect the environment and rationalize the use of its resources.
(2)	both a&b	Green technology is referred to as sustainable technology or clean technology, as green technology is based on technological tools that help protect the environment.
(3)	Solar panels	Green technology has used solar energy to generate electricity from sunlight through solar panels.
(4)	Smart transportation	Smart transportation is using electric vehicles to improve energy efficiency in the transportation sector.
(5)	Sensors	Sensors are used in numerous tasks, including regulating temperatures, operating the lights various methods and detecting smoke from fires.

2 Put (✓) or (x) for the following sentences.

1. Wind turbines are used to generate electricity from air movement. (✓)
2. Bioenergy involves using organic materials like soybeans and corn to produce energy. (✓)
3. Industrial buildings are designed and constructed using environmentally friendly materials. (x)
4.  The idea of sensors in water taps depends only on stopping water automatically. (x)
5. Organic waste is transformed into nutrient-rich compost to improve soil fertility. (✓)

Answer		Explanation
(1)	✓	Green technology uses wind energy to generate electricity from air movement through wind turbines.
(2)	✓	Green technology uses bioenergy through the use of organic materials like soybeans and corn to generate electricity.
(3)	x	Green technology is used for the rationalization of energy consumption through using green buildings because they are designed using environmentally friendly materials that save energy, improve ventilation and enhance insulation.
(4)	x	The concept of body sensors on turning water or electricity turn on/off automatically due to the presence of an object under a tap or lamp.
(5)	✓	Green technology uses waste recycling, such as transforming organic waste into nutrient-rich compost to improve soil fertility.

3 Complete the following sentences.

1. Vehicle emissions has raised carbon dioxide percentage in the atmosphere and intensifying global warming and resulting in
2. The idea of green technology is based on that help protect the environment.
3. are used to generate electricity from the movement of water.
4. Green technology is used for rationalization of energy consumption by using energy
5. Smart efficient irrigation systems like are used for water treatment.



Lesson 2 Digital transformation and its importance in our daily lives

1. is the combination of digital technology into all aspects of business to enhance workflow efficiency.
a. Green technology
b. Performance tasks
c. Digital transformation
d. Industrial
2. Digital transformation is essential for institutions and companies following except
a. enhance efficiency and productivity
b. creating new employment opportunities
c. wasting energy
d. enhance the quality of services
3. Digital transformation is a national project that moves Egypt to deal through a/an environment that links all government agencies to each other.
a. information
b. technical
c. industrial
d. vegetative
4. You can use electronic payment applications through the application.
a. INSTAPAY
b. Google Meet
c. WhatsApp
d. Email

5. are video calls and online conferencing applications.

a. Google Meet

b. Word

c. Zoom

d. Both a & c

Answer		Explanation
(1)	Digital transformation	The combination of digital technology into all aspects of businesses to enhance workflow efficiency and innovate products and services.
(2)	wasting energy of	Digital transformation is crucial for institutions and companies for various reasons including increasing efficiency and production, raising the level of services and products provided to customers, increasing sales and revenues , innovation and creativity, maintaining competitiveness , improving decision - making , reducing the use of energy and resources and creating new job opportunities.
(3)	information	Digital transformation is a national project that moves Egypt to deal through an information environment that links all government agencies to each other .
(4)	INSTAPAY	INSTAPAY is an electronic payment application . It enables the sending and receiving and money through a bank account or electronic wallet and provides many services such as paying bills.
(5)	Both a & c	Zoom and Google Meet are collaboration and communication tools. They are video conferencing applications that enables face-to-face communication with others.

2 Put (✓) or (x) for the following sentences.

- Digital transformation provides various services and products to citizens in an easier and faster way. (✓)
- Digital Egypt Platform is a type of electronic payment method that is licensed and approved by the Central Bank of Egypt. (x)
- Enhancing the efficiency of resource use is a common axe between green technology and digital transformation. (✓)
- In order to access any digital services or products , an email address is required. (✓)



5. INSTAPAY electronic payment system serves as a government electronic gateway offering a variety of online services.

(x)

Answer	Explanation
(1) ✓	Digital transformation enables citizens to access all their services through the internet and mobile applications, so that various services and products are provided to citizens in an easier and faster way.
(2) ✗	INSTAPAY is an electronic payment method which is licensed and approved by the Central Bank of Egypt.
(3) ✓	Enhancing the efficiency of resource use, reducing harmful emissions and supporting sustainability are common axes between green technology and digital transformation.
(4) ✓	To obtain any of the services or digital products, you must have an email.
(5) ✗	The "Digital Egypt" platform is a government electronic portal that provides many electronic services to citizens, such as paying electricity and water bills and the application can be downloaded and used on a mobile device.

3 Complete the following sentences.

- The tools of digital transformation include , and
- Digital transformation can assist you in improving decision making by providing and
- Digital transformation allows citizens to access all their services through and
- Instapay allows for sending and receiving money via and
- and are examples of the integration of green technology and digital transformation applications.

	Answer	Explanation
(1)	collaborative and communicative tools, e-learning resources and cloud computing technologies	Digital transformation tools are such as, tools for managing workflows, electronic payment methods, collaborative and communicative tools, e-learning resources, artificial intelligence and machine learning technologies, cloud computing technologies, and cybersecurity solutions.
(2)	data, information-analysis in a timely manner	Digital transformation can assist you in improving decision - making by providing data, information and analysis in a timely manner.
(3)	The internet and mobile applications	Digital transformation allows citizens to access all their services through the internet and mobile applications , so that various services and products are provided to citizens in an easier and faster way.
(4)	a bank account and electronic wallet	Instapay allows for sending and receiving money via a bank account or electronic wallet and provides many services such as paying bills.
(5)	Smart buildings and smart energy grids	Smart buildings , smart energy grids and precision farming are examples of the integration of green technology and digital transformation applications.

Lesson 3 **Operating Systems**

1 Choose the correct answer from a, b, c or d.

- is responsible for managing hardware components and running all other software.
a. Antivirus b. **Operating system** c. Word Processing d. Painter
- The operating system runs all software and accomplishes tasks in a/an way.
a. difficult b. **easy** c. slow d. complex
- Personal computers (PCs) use operating systems such as
a. Microsoft Windows b. macOS c. **both a & b** d. Xbox
- Smartphones rely on the iOS operating system from
a. Google b. **Apple** c. Linux d. macOS



5. use operating systems like Linux and Microsoft Windows Server.

- a. Game consoles b. Servers c. Mobile devices d. Google

Answer		Explanation
(1)	Operating system	The operating system is responsible for managing the hardware components, running all software and helping the user accomplish their various tasks on the computer easily and smoothly.
(2)	easy	The operating system is responsible for running all software and helping the user accomplish their tasks easily and smoothly.
(3)	both a & b	Desktop and laptop computers use operating systems like Microsoft Windows, macOS, and different distributions of Linux.
(4)	Apple	Smartphones and tablets rely on operating systems like Apple's iOS and Google's Android operating system.
(5)	Servers	Servers use operating systems like Linux operating system with its diverse distributions, Microsoft Windows Server operating system and specialized server operating systems are used to manage network resources and deliver a range of services.

2 Put (✓) or (x) for the following sentences.

1. Smart TVs operate on various operating systems such as Android TV, Tizen, and webOS. (✓)
2. Gaming consoles like Xbox feature exclusive operating systems tailored for gaming applications. (✓)
3. Using wearable devices like smartwatches and fitness trackers doesn't require an operating system. (x)
4. Routers and switches use operating systems for network management. (✓)
5. Modern cars and vehicles have embedded systems. (x)

Answer		Explanation
(1)	✓	Smart TVs operate on operating systems like Android TV, Tizen, webOS and others to offer smart advantages such as streaming services, applications, and internet connectivity.
(2)	✓	Gaming consoles like the Nintendo Switch, Xbox, and PlayStation feature exclusive operating systems tailored for gaming applications and multimedia purposes.
(3)	✗	Using wearable devices like smartwatches and fitness trackers require operating systems tailored to their distinct functions and needs.
(4)	✓	Routers, Switches, and other network equipment use operating systems to manage the network, settings, and security advantages of the network.
(5)	✗	Modern Cars and vehicles use automotive systems.

3 Complete the following sentences.

1. are electronic devices that enable customers to pay for products from their bank accounts instead of using cash.
2. control and monitor the progress of industrial processes and provide a safe environment for health and operational safety.
3. includes a set of symbols called Icons.
4. The background is or that the user selects.
5. contain icons that symbolize software installed on the operating system.

Answer		Explanation
(1)	Point of sale terminals (POS)	Point of sale terminals are electronic devices that enable customers to pay for purchased products by deducting the price from their bank account instead of using cash.
(2)	Industrial control systems (ICS)	Industrial control systems control and monitor the progress of industrial process, provide a safe environment for health and operational safety, and are used in most industrial sectors such as energy....
(3)	Desktop	The operating system startup screen (desktop) includes a set of symbols called Icons.
(4)	image or color	Background is an image or color that the user selects.
(5)	Bars	Bars contain icons that symbolize software installed on the operating system and other icons to adjust some system settings such as date, time, sound settings and network.



Lesson 4 Installation and removal of software and digital peripherals

1 Choose the correct answer from a, b, c or d.

- When you download a program from the Internet, the program is in the form of a
a. digital platform b. file c. images d. spreadsheet
- If you download a compressed file, you must first the file to interact with it.
a. Extract (unzip) b. install c. download d. save
- Uninstalling a program means you all the files associated with the program to be removed.
a. compress b. save c. delete d. install
- Removing unused programs saves disk and speeds up and eases the use of the device.
a. storage space b. programs c. control panel d. files
- When the operating system automatically detects a new attached device, it
a. deletes the appropriate driver for the attached device
b. installs the appropriate device driver for the attached device
c. shuts down the computer
d. restarts the computer

Answer		Explanation
(1)	file	If you downloaded the program from the Internet, the program is in the form of a file and this file is used to install the program, but if the program comes on a CD or DVD, we use this CD to install the program.
(2)	Extract (unzip)	The download file may be compressed, so you need to unzip it before accessing the file and selecting the SETUP. EXE icon.
(3)	delete	Uninstalling a program means that you delete all the files of the program that you want to remove from your computer.
(4)	storage space	Removing unused programs saves disk storage space and speeds up and eases the use of the device.
(5)	installs the appropriate device driver for the attached device	When the operating system automatically detects a new attached device, it installs the appropriate device driver for the attached device.

2 Put (✓) or (x) for the following sentences.

1. The Setup program automatically deletes device driver files. (x)
2. Many programs come with their own removal or uninstallation command. (✓)
3. When you connect a new peripheral device with the Plug and Play feature, the operating system shuts down the computer. (x)
4. Operating systems don't support devices connected to the computer. (x)
5. To install a local printer that supports Plug and Play, connect it to a USB port, and the Plug and Play feature will automatically initiate the installation. (✓)

Answer		Explanation
(1)	x	The setup program automatically copies the driver files and the setup information file ".inf" into a dedicated folder.
(2)	✓	The program itself removes or uninstalls programs because many programs come with a dedicated removal or uninstallation command.
(3)	x	When you connect a new peripheral device with the Plug and Play feature, the operating system automatically installs the correct and appropriate device driver for the new peripheral device.
(4)	x	Operating systems support many peripheral connected to the computer, such as printers and webcams.
(5)	✓	To install a local printer (i.e., directly connected to the computer) that supports Plug and Play, connect it to a USB port, and the Plug and Play feature will automatically install it.

3 Complete the following sentences.

1. You can use to assist the operating system in uninstalling a program
2. Modern printers use the port, while older ones use the port.
3. The final step in printer setup is
4. Modern operating systems include a list of for a variety of peripheral devices.
5. If the printer driver package includes a setup program, run the setup program and through it, you can identify the printer within



Answer		Explanation
(1)	the control panel	Through the Control Panel, the operating system helps you remove or uninstall the program.
(2)	USB - LPT1	Most older printers that connect to a parallel port the correct choice is the LPT1 port, while modern printers use the USB port.
(3)	giving the printer a name	The last step in the printer setup process is to give the printer a name. The default name usually includes the manufacturer and model of the printer; you can change this value to a more descriptive name now or later.
(4)	device drivers	Modern operating systems include a list of device drivers for a variety of peripheral devices.
(5)	the operating system	If the printer driver package includes a setup program, run the setup program and through it you can identify the printer within the operating system.



Monthly Assessments

التقييمات الشهرية

October Test

1 Choose the correct answer from a, b, c or d.

1. Electric cars used in Egypt recently are equipped with a place for
a. charging b. fuel c. saving d. energy
2. Green technology is used to preserve
a. printers b. environment c. sensors for objects d. fuel
3. is a governmental electronic portal that provides many services to citizens, such as bill payments.
a. Facebook b. Twitter
c. Knowledge Bank d. Digital Egypt platform
4. The is one of common axes between green technology and digital transformation.
a. communication b. support for sustainability
c. video calls d. digital products
5. are used to pay for products from a bank account instead of cash.
a. Power stations b. Network devices
c. Point of sale terminals d. WhatsApp

2 Put (✓) or (x) for the following sentences.

1. The computer hardware components are managed through a Word processing program. ()
2. Smart TVs use operating systems such as Windows and Android TV. ()
3. Green technology involves integrating digital technology into all aspects of work to enhance efficiency. ()
4. The INSTAPAY electronic payment system allows sending and receiving money through a bank account only. ()
5. Sensors are used to detect smoke from fires and regulate temperatures. ()

3 Complete the following sentences.

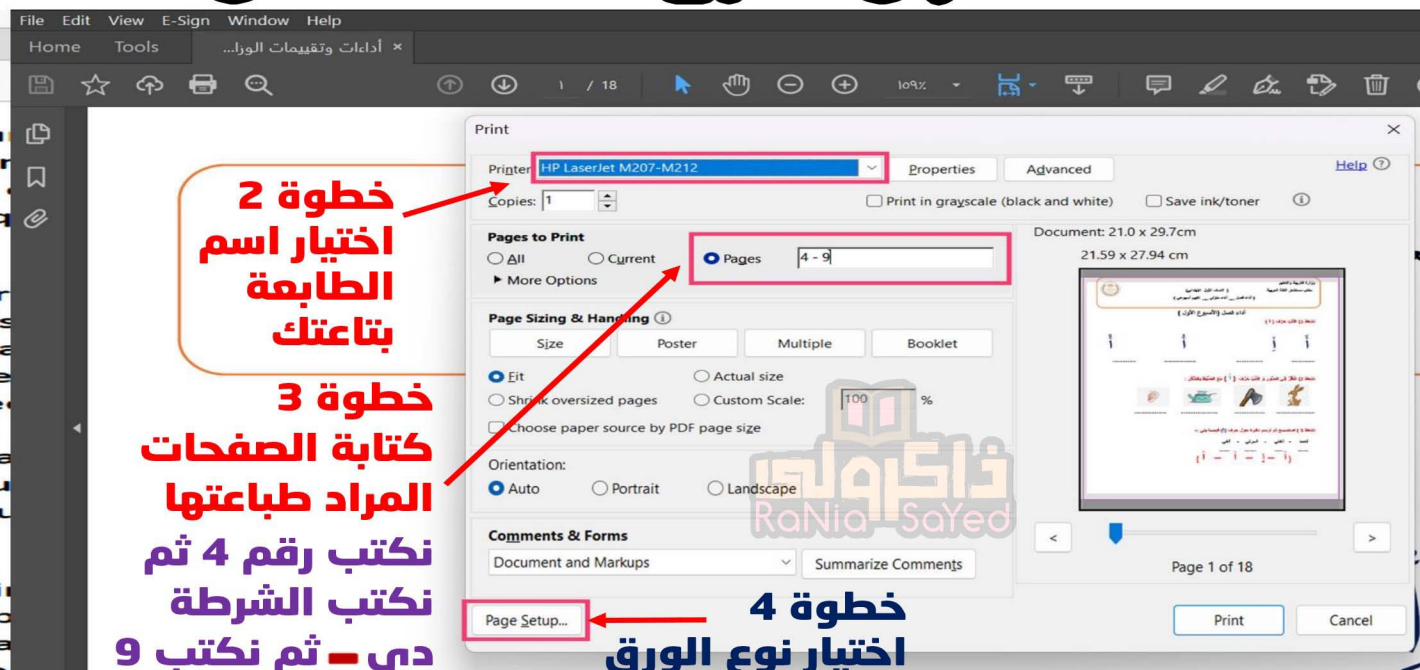
1. helps to reduce environmental pollution due to its usage.
2. Solar energy technology relies on using and converting it into electrical energy.
3. is one of the benefits of linking green technology with digital transformation.
4. are network equipment that require an operating system to work.
5. Smartphones and tablets rely on operating systems such as from Apple company.

كيفية طباعة صفحات معينة من ملف معين

مثلا ازاي نطبع الصفحات من صفحة 4 الى صفحة 9



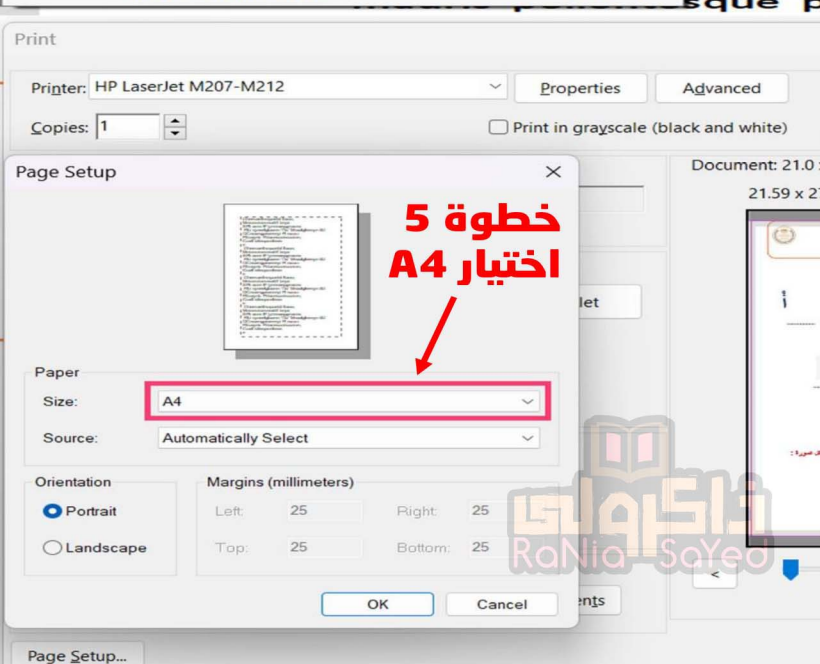
خطوة 1



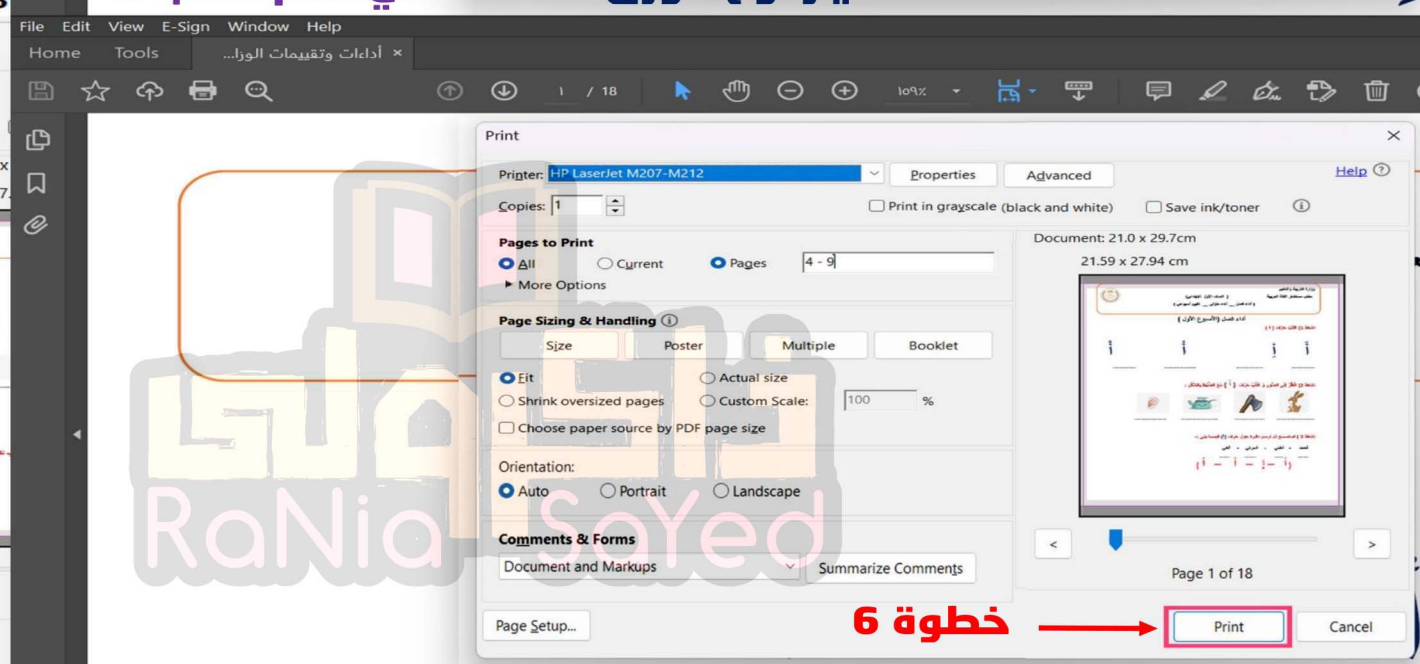
خطوة 2
اختيار اسم
الطابعة
بتاعتك

خطوة 3
كتابة الصفحات
المراد طباعتها
نكتب رقم 4 ثم
نكتب الشرطة
دي - ثم نكتب 9

خطوة 4
اختيار نوع الورق



خطوة 5
اختيار A4



خطوة 6

حمل الآن

مجاناً وحصرياً

المراجعة رقم (2)

اختبار شهر اكتوبر



Lesson 1 Green Technology

Definitions:

» **Green Technology:** Also known as **sustainable technology** or **clean technology**

- It is based on technological tools that protect the environment and optimize the use of its resources.



Key Points:

» **Electric Vehicles in Egypt:**

- **Aim:** Reduce harmful emissions and fuel consumption.
- **Operation:** Use batteries and charging stations.



» **Fields of Green Technology:**

① Renewable Energy:

- **Solar Energy:** generate electricity from sunlight via solar panels.
- **Wind Power:** generate electricity from wind via turbines.
- **Hydropower:** generate electricity from water movement via dams.
- **Geothermal Energy:** generate electricity from Earth's internal heat.
- **Bioenergy:** generate energy from organic materials like soybeans and corn.

② Energy Consumption Rationalization:

- **Green Building:** uses eco-friendly, energy-efficient materials, improved ventilation, and insulation.
- **Energy-efficient Appliances:** high-efficiency computers and devices.
- **Smart Transportation:** using electric vehicles to enhance energy efficiency.

3 Waste Recycling:

- **Material Recycling:** paper, plastic, and metals into new products.
- **Transforming Organic Waste:** into compost to enhance soil fertility.
- **Waste Reduction:** by reusing and repairing products.

4 Water Treatment:

- **Purification:** making contaminated to be reused or drunk.
- **Efficient Irrigation:** smart systems like drip irrigation.
- **Water-saving Devices:** repairing water leaks.

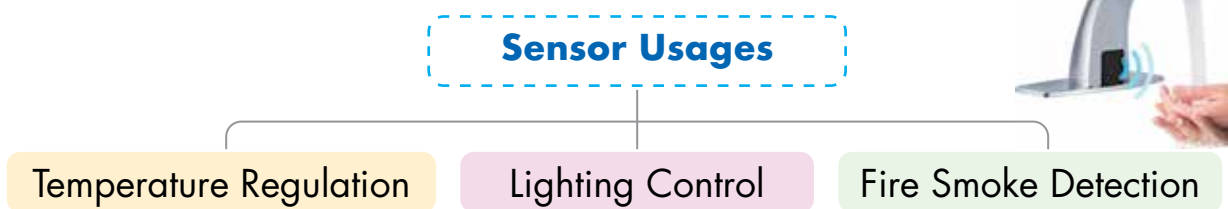
» Benefits of Green Technology:

1 Environmental Preservation:

- Reduces carbon dioxide emissions and global warming.
- Promotes alternatives like electric cars to lower pollution.

2 Resource Conservation:

- **Water and Electricity Optimization:**
 - **Body Sensors:** control water flow and optimize electricity usage.
 - **Solar Energy:** photovoltaic panels convert solar energy to electricity.



Lesson 2 Digital Transformation and Its Importance in Our Daily Lives

Definitions:

- » **Digital Transformation:** the combination of digital technology into all business aspects to enhance workflow efficiency, lower costs, and innovate products and services.

Key Points:

» Importance of Digital Transformation:

- 1 Enhancing efficiency and productivity
- 2 Quality enhancement
- 3 Enhancing sales and revenue
- 4 Enhancing innovation and creativity
- 5 Sustaining competitiveness
- 6 Enhancing decision-making
- 7 Minimizing energy and resource consumption.
- 8 Creating new employment opportunities.

» **Digital transformation:** is a national project that links all government agencies through an information environment, and citizens can obtain all their services through the internet.

» Tools Used in Digital Transformation:

- **Workflow Management Tools:** enhance efficiency of repetitive tasks (e.g., "Digital Egypt" platform).
 - **Electronic Payment Methods:** convenient, fast, and secure payment options (e.g., electronic payment cards, INSTAPAY application).
 - **Collaboration and Communication Tools:** enables face-to-face communication with others (e.g., video conferencing apps like Zoom & Google Meet).
 - E-learning resources
 - AI and machine learning
 - Cloud computing
 - Cybersecurity solutions
- **Note:** an email address is required to access any digital services or products.



» Green technology and digital transformation are closely related and contribute to achieving common goals, such as:

- 1 Enhancing resource utilization efficiency
- 2 Reducing harmful emissions
- 3 Supporting sustainability

Examples of integration between green technology and digital transformation applications:

Smart Energy
Grids

Precision
Farming

Smart
Buildings

Smart
Transportation

Smart
Cities

Benefits of Integration between green technology and digital transformation applications:

Speeding up the
process of the digital
transformation.

Enhancing the
efficiency of green
technology.

Creating new
employment
opportunities.

Improving
the quality
of life.

Lesson 3 Operating Systems

Definitions:

» **Operating System (OS):** an interface between the user, hardware, and software. It manages hardware components, runs software, and helps users accomplish tasks smoothly.

Key Points:

1 Personal Computers (PCs):

- **Operating Systems:** Microsoft Windows, macOS, Linux distributions.



2 Mobile Devices:

- **Operating Systems:** Apple's iOS, Google's Android, alternative mobile OS.



3 Servers:

- **Operating Systems:** Linux distributions, Microsoft Windows Server, specialized server OS.



4 Gaming Consoles:

- **Operating Systems:** Exclusive OS for PlayStation, Xbox, Nintendo Switch.

5 Smart TVs:

- **Operating Systems:** Android TV, Tizen, webOS, others.

6 Wearable Devices:

- **Operating Systems:** Tailored OS for smartwatches, fitness trackers.



7 Network Devices:

- **Operating Systems:** Used in routers, switches for network management and security.

8 Automotive Systems:

- **Operating Systems:** Used in modern cars and vehicles to control various functions such as infotainment, navigation



9 Embedded Systems:

- **Operating Systems:** Used in Automated Teller Machine (ATM) and Point of Sale Terminal



10 Industrial Control Systems (ICS):

- **Functions:** Control and monitor industrial processes, increase productivity, improve product quality, and ensure health and operational safety.
- **Applications:** Used in sectors like energy, transportation, food production, petrochemicals, electronics, and medical industries.

» OS Startup Screen (Desktop):

- **Icons:** Symbols representing software and system settings, arranged over a background image or color.
- **Bars:** Contain icons for installed software and system settings (e.g., date, time, sound, network).
- **Note:** The startup screen varies for different operating systems and versions.

Lesson 4 Installation and Removal of Software and Digital Peripherals

1 From a CD or DVD:

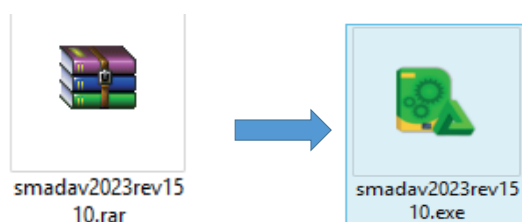
- Insert the disc into the drive.
- Click Run SETUP.EXE.
- AutoPlay dialog box appears.
- Follow instructions

2 From an Internet-Downloaded File:

- Access the downloaded file via the “This PC” icon.
- Double-click the file to start the installer.
- If compressed, unzip before accessing SETUP.EXE.

3 From a Compressed File:

- Extract the compressed files.
- Double-click the installation file.
- Follow the software’s installation instructions.



» Removing or Uninstalling Software:

- **Uninstalling programs:** Delete all program files from your device.
- Removing unused programs saves disk space and improves device performance.

1. Program has its own uninstallation command.

2. Using Control Panel:

- (A) Access Control Panel. (B) Click "Uninstall a program".
(C) Select the program and click Uninstall.

» Setting Up and Configuring Hardware:

- Plug and Play Device Installation
 - 1 OS Includes the Driver: OS Installs the driver automatically
 - 2 OS Does Not Include a Driver: OS runs a wizard program to find the driver

» Installing a Printer:

1 **Local Printer (Plug and Play):** installed automatically.

2 **Non-Plug and Play Printer:**

Control Panel → Hardware and Sound → Devices and Printers. → Click "Add a printer".

→ Select "Add a local printer or network printer"

→ Choose the correct port (**LPT1** for older, **USB** for modern printers).

- If you don't find the driver you need: Click Have Disk
- Click Windows Update to update the list of printers.
- Give a name to the printer.
- Print a test page to ensure proper installation.

Model Exam

1

1 Choose the correct answer:

- 1 uses organic materials like soybeans and corn to generate energy.
a. Hydropower b. Wind power c. Solar energy d. Bioenergy
- 2 Operating systems like Android TV, Tizen, webOS, etc. are used with devices.
a. print b. server c. television d. networking
- 3 Modern operating systems include a list of for many peripheral devices.
a. malware b. viruses c. songs d. drivers
- 4 The startup screen of operating systems includes
a. icons b. bars c. documents d. both a and b
- 5 Digital transformation involves combination of into all aspects of business.
a. paper documents b. digital technology
c. raw materials d. traditional methods
- 6 is/are an electronic device through which the customer can pay for the products he has purchased.
a. Point of sale terminals b. ATMs
c. Industrial control systems d. Smart watch
- 7 Modern operating systems include drivers for many
a. documents b. games c. peripherals d. photos

2 Put (✓) or (X):

- 1 Hydropower generates electricity by using water movement through dams. ()
- 2 ATMs do not require an operating system for their operations. ()

- 3 When you use the Digital Egypt platform, this is considered one of the irresponsible uses of websites. ()
- 4 The idea of sensors in water taps depends only on stopping the water automatically. ()
- 5 The operating system helps you uninstall a program. ()
- 6 Electric cars are one of the forms of green technology. ()
- 7 Smart TVs run on operating systems such as Android TV and Tizen. ()
- 8 Among the applications of green technology and digital transformation is precision agriculture. ()

Model Exam

2

1 Choose the correct answer:

- 1 Solar energy uses to generate electricity.
a. solar panels b. wind turbines c. dams d. batteries
- 2 Servers use operating systems like
a. Android b. Tizen c. Linux d. MacOS
- 3 One of the importance of digital transformation is
a. slowing workflows b. increasing costs
c. enhancing efficiency d. reduced innovation
- 4 Electronic payment applications can be used within the app.
a. INSTAPAY b. Google Meet c. WhatsApp d. Email
- 5 Many programs come with a command to
a. copy their installation b. uninstall their installation
c. paste their installation d. compress their installation
- 6 Digital transformation helps organizations by
a. reducing quality b. increasing waste
c. enhancing decision-making d. Limiting market access
- 7 Operating systems like Android TV, Tizen, webOS, etc. are used with devices.
a. smart TV b. server c. print d. networking



2 Put (✓) or (X):

- 1 Point of Sale Terminals are examples of embedded systems that use operating systems. ()
- 2 The printer installation process includes an option to print a test page to ensure the printer is working properly. ()
- 3 Electric vehicles represent a form of environmentally friendly technology. ()
- 4 A word processing program manages the computer hardware components. ()
- 5 The concept of green buildings is attributed to institutions that can optimize their resource consumption. ()
- 6 Digital transformation decreases the effectiveness of business transactions. ()
- 7 Green technology tools contribute to the escalation of pollution due to their utilization. ()
- 8 Cybersecurity solutions are from the tools used for digital transformation. ()

Model Exam

3

1 Choose the correct answer:

- 1 Electronic payment cards provide electronic payment methods.
 a. easy b. secure c. fast d. all of them
- 2 To install a new peripheral device, it is required to provide
 a. information and data b. drivers
 c. folder d. images

- 3 An example of renewable energy is
 a. solar energy b. coal c. petroleum d. natural gas
- 4 Recycling involves turning waste materials into
 a. fuel b. new products
 c. electricity d. carbon emissions
- 5 When you download a program from the internet, the program is in the form of a used to install the program.
 a. digital fingerprint b. file
 c. pictures d. spreadsheet
- 6 Most modern cars and vehicles contain operating systems to control various functions, such as
 a. infotainment and navigation systems
 b. point of sale
 c. ATMs d. printing
- 7 Solar panels are used to convert into electrical energy.
 a. wind b. sunlight c. water d. heat

2 Put (✓) or (X):

- 1 Digital transformation decreases the effectiveness of business transactions. ()
- 2 You can install the program by clicking on SETUP.EXE. ()
- 3 From one of the electronic payment applications email. ()
- 4 Using wearable devices such as smart watches does not require an operating system. ()
- 5 Green buildings lead to increased energy consumption. ()
- 6 Removing unused programs increases the amount used on the hard disk. ()
- 7 Green technology does not help accelerate the digital transformation process. ()
- 8 Servers use operating systems such as Linux OS. ()

Model Exam

4

1 Choose the correct answer:

- 1 The main purpose of "Digital Egypt" platform is to
 - a. deliver improved services to citizens
 - b. enhance government procedure efficiency
 - c. provide e-learning resources
 - d. both a and b
- 2 Industrial Control Systems (ICS) are used in
 - a. home appliances
 - b. personal computers
 - c. industrial facilities
 - d. smartphones
- 3 Removing a program means that you are
 - a. copying all the program files to the computer.
 - b. deleting all the program files from the computer.
 - c. pasting all the program files to the computer.
 - d. saving all the program files from the computer
- 4 Operating systems are used in embedded systems, such as
 - a. desktop computer
 - b. smartphone
 - c. ATM
 - d. smart TV
- 5 To install a program from a CD, you should first
 - a. click on "Uninstall"
 - b. insert the disc
 - c. download it online
 - d. open Control Panel
- 6 When you download software from the internet, the software is in the form of a/an which is used to install the software.
 - a. digital fingerprint
 - b. file
 - c. image
 - d. worksheet
- 7 is using the Earth's internal heat to produce electricity.
 - a. Electricity
 - b. Geothermal energy
 - c. Solar energy
 - d. Wind power
- 8 Sensors are used in numerous tasks, including
 - a. regulating temperatures
 - b. operating the lights through various methods
 - c. detecting smoke from fires
 - d. all of them

2 Put (✓) or (X):

- 1 Smartphones and tablets depend on operating systems like Microsoft Windows, macOS. ()
- 2 Removing unused programs increases the storage space on the disk. ()
- 3 Utilizing wearable devices like smart watches and fitness trackers do not necessitate an operating system. ()
- 4 From advantages of sensors is wasting energy. ()
- 5 Bioenergy is using organic materials like soybeans and corn for energy production. ()
- 6 Modern cars and vehicles often have operating systems to control various functions such as Information and navigation systems. ()
- 7 ATMs do not require an operating system for their operations. ()
- 8 Programs can only be uninstalled through the Control Panel. ()

Model Exam

5

1 Choose the correct answer:

- 1 The software is responsible for managing the hardware components and running all other software.

a. operating Systems	b. antivirus
c. Word processing	d. painter
- 2 Digital transformation tools do NOT include

a. e-learning resources.	b. cloud computing
c. typewriters	d. cybersecurity solutions
- 3 Removing unused programs leads to

a. slowing down the computer	b. saving storage space
c. difficulty in using the device	d. stopping the computer

- 4 devices are network equipment that requires an operating system to operate.
 a. Television b. Printing c. Smart watches d. Routers
- 5 is licensed by the Central Bank of Egypt, enables funds transfer and reception.
 a. Zoom b. Instapay c. Digital Egypt d. Email
- 6 For older printers connected via parallel port, the correct port is usually
 a. LPT1 b. USB c. COM1 d. HDMI
- 7 Collaboration tools like Zoom and Google Meet are used for
 a. document printing b. face-to-face communication
 c. energy consumption d. raw material procurement
- 8 is an electronic device through which the customer can pay for the products he has purchased.
 a. POS terminal b. ATM
 c. Industrial control system d. Smart watch

2 Put (✓) or (X):

- 1 Modern vehicles often have operating systems called Automotive System ()
- 2 The main purpose of digital transformation is to increase the need for raw materials like paper and pens. ()
- 3 Modern operating systems do not include a list of drivers for many accessory devices. ()
- 4 Smart cities are an example of the integration of green technology with digital transformation. ()
- 5 The startup screen varies for the operating system according to the version of the operating system. ()
- 6 Digital transformation does not reduce costs in businesses. ()
- 7 The use of body sensors in green technology helps conserve water ()



Answers

Model Exam

1

1	1 d	2 c	3 d	4 d
	5 b	6 a	7 c	
2	1 ✓	2 ✗	3 ✗	4 ✗
	5 ✓	6 ✓	7 ✓	8 ✓

Model Exam

2

1	1 a	2 c	3 c	4 a
	5 b	6 c	7 a	
2	1 ✓	2 ✓	3 ✓	4 ✗
	5 ✓	6 ✗	7 ✗	8 ✓

Model Exam

3

1	1 d	2 b	3 a	4 b
	5 b	6 a	7 b	
2	1 ✗	2 ✓	3 ✗	4 ✗
	5 ✗	6 ✓	7 ✗	8 ✓

Model Exam

4

1	1 d	2 b	3 c	4 b
	5 b	6 b	7 d	8 d
2	1 ✗	2 ✓	3 ✗	4 ✗
	5 ✓	6 ✓	7 ✗	8 ✗

Model Exam

5

1	1 a	2 c	3 b	4 d
	5 b	6 a	7 b	8 a
2	1 ✓	2 ✗	3 ✗	4 ✓
	5 ✓	6 ✗	7 ✓	

حمل الآن

مجاناً وحصرياً

المراجعة رقم (3)

اختبار شهر اكتوبر



Lesson 01

Green Technology



Green Technology

*It is called **sustainable technology** or **clean technology**

*It based on tools and technologies designed to:

- protect the environment
- avoid causing harm
- rationalize the use of resources.



► **For example**

* Egypt uses electric vehicles as an alternative to traditional fuel-powered cars to

decrease the emission of harmful substances from car exhausts

reduce fuel consumption

* Electric cars operate using batteries that come with a charging station, enabling connection to an external power source for recharging.

Fields of using green technology:

Green technology is used in many aspects of life:

► **Renewable Energy:**

Solar energy

using sunlight to generate electricity through solar panels.

**Wind power**

using wind turbines to generate electricity from air movement

**Hydro Power**

using dams to generate electricity from water movement

**Geothermal energy**

using the Earth's internal heat to produce electricity

**Bioenergy**

using organic materials like soybeans and corn for energy generation



► Rationalizing energy consumption and using it responsibly:

Green Building:

- Constructing and designing buildings using environmentally friendly and energy-saving materials and improving ventilation and insulation.
- Using energy-saving electrical appliances and highly-efficient computers.

Smart transportation:

- using electric vehicles to improve energy efficiency in the transportation sector.

► Waste Recycling

- The recycling of materials like paper, plastic, and metals into new products.
- Transforming organic waste into nutrient-rich compost to enhance soil fertility.
- Reducing waste by reusing and repairing products



► Water Treatment

- Purifying contaminated water to be reused or drunk.
- Using smart efficient irrigation systems like drip irrigation.
- Repairing water leaks and using water-saving devices to rationalize water consumption.

Benefits of green technology:

► Preservation of the environment from climate change:

The effect of car exhaust has helped increase the percentage of carbon dioxide in atmosphere which has led to increase the percentage of global warming and environmental change.

* This helped to find environmentally friendly transportation methods, such as electric cars which contributes to reducing the percentage of carbon dioxide levels and the percentage of decrease environmental pollution.



► Resource Conservation (Water - Electricity):

Green technology helps rationalize water and electricity consumption through many things including:

1- Body Sensors:

- Water conservation: Body sensors control water flow by detecting the presence of a body (hand) under the tap and allow water to flow only when needed.

2- Electricity conservation:

- Sensors inside homes and companies turn lights on/off based on presence.

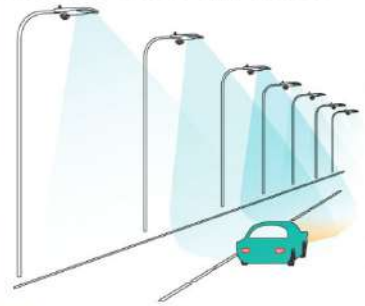
2- Solar Energy technology

Relies on photovoltaic panels which converts sunlight into electrical energy and operates automatically when electricity is needed.

Sensor usage

Sensors are used in many tasks, including:

- Detecting smoke from fires.
- Regulating temperatures.



Lesson 02

Digital transformation and its importance in our daily lives



Digital transformation

- ❖ The combination of digital technology into all aspects of business to enhance workflow efficiency, lower costs, and innovate products and services.
- ❖ It is a national project that moves Egypt to deal through an information environment that links all government agencies to each other. So, citizens can obtain all their services through the internet and mobile applications, so that various services and products are provided to citizens in an easier and faster way.



► The importance of digital transformation:

Digital transformation is essential for institutions and companies for several reasons, including:

- 1- Increasing efficiency and production:** by improving workflow, reducing errors, saving time and effort, which saves money.
- 2- Raising the level of services and products** provided to customers.
- 3- Increasing sales and revenues:** by reaching new markets and new customers.
- 4- Innovation and creativity:** Digital transformation contributes significantly to enhancing innovation and development and to provide new and good products and services in institutions and companies.
- 5- Maintaining competitiveness:** by keeping pace with the latest technological developments.
- 6- Improving decision-making:** by providing data, information, analysis in a timely manner to make informed decisions.
- 7- Reducing the use of energy and resources.**
- 8- Creating new job opportunities.**

Digital transformation tools

There are many digital transformation tools available through programs, technologies, and services to help organizations and companies improve performance, efficiency, and competitiveness, including:

- Electronic payment methods
- Managing workflows
- Collaborative and communicative
- Cloud computing technologies
- Cybersecurity solutions
- E-learning resources
- Artificial intelligence and machine learning technologies



► Firstly: Tools for workflow management

It improves the efficiency of repetitive operations and tasks, such as:

The "Digital Egypt" Platform: It is a government electronic portal that provides many electronic services to citizens, such as paying electricity and water bills.



→ The application can be downloaded and used on mobile devices.

► Second: Electronic Payment Methods: -

1- Electronic payment cards "Meeza"

Facilitate electronic financial transactions for citizens to provide easy, fast, and secure electronic payment methods.



2. "INSTAPAY"

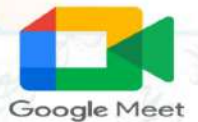


Application for electronic payments (Licensed and approved by the Central Bank of Egypt) that allows sending and receiving money through a bank account or electronic wallet and provides many services such as paying bills.

► Third: Collaboration and Communication Tools: -

such as: Zoom and Google Meet

* They are video conferencing applications that enable face-to-face communication with others.



The Relation between Green Technology and Digital Transformation

→ Green technology and digital transformation are closely related.

Each enhances the other and contributes to achieving common goals.

The Most Important Common Axes	Green Technology	Digital Transformation
Enhancing the efficiency of resource use	Reducing the consumption of natural resources, such as energy and water, by using more efficient technologies.	Reducing reliance on raw materials such as paper and pens, and reducing waste.
Reducing harmful emissions	Using renewable energy sources and improving energy efficiency.	Decreasing the necessity for transportation and mobility while improving the effectiveness of business transactions.
Supporting sustainability	By protecting the environment and improving the quality of life for future generations.	By improving resource efficiency, decreasing emissions, and enhancing innovation.

Examples of the integration of green Technology and digital transformation applications:

- Smart energy grids
- Precision farming
- Smart buildings
- Smart transportation
- Smart cities

Benefits of integrating green technology with digital transformation:

- Speeding up the process of the digital transformation.
- Enhancing the efficiency of green technology.
- Creating new employment opportunities.
- Improving the quality of life.



Lesson 03

Operating Systems



Operating System (OS):

- ✓ It is an interface between the user, hardware, and software.
- ✓ It is responsible for managing the hardware components and running all software.
- ✓ It is responsible for helping the user accomplish their various tasks on the computer easily and smoothly.



The key functions of operating system



The operating systems are important

because they are responsible for operating and managing electronic and smart devices.

Examples of devices use operating systems

▶ Personal Computers (PCs):

Desktop and laptop computers use operating systems like:

- Microsoft Windows
- macOS
- Different distributions of Linux



▶ Mobile Devices:

Smartphones and tablets depend on operating systems like:

- Apple's iOS
- Google's Android operating system
- Alternative mobile operating systems



► Servers:

Servers use operating systems like:

- Linux operating system (with its diverse distributions)
- Microsoft Windows Server operating system
- Specialized server operating systems are used to manage network resources and deliver a range of services.

► Gaming Consoles:

- **Examples:** PlayStation, Xbox, Nintendo Switch
- Gaming consoles feature exclusive operating systems tailored for gaming and multimedia purposes.



► Smart TVs:

Smart TVs operate on various operating systems such as (Android TV, Tizen, webOS) and others to offer smart advantages like:

- Streaming services
- Internet connectivity
- Applications



► Wearable Devices

Wearable devices like smart watches and fitness trackers use operating systems tailored to their distinct functions and needs.



► Network Devices

Routers, switches, and other network equipment use operating systems for network management, settings and security advantages.



There are various operating systems used in modern cars and vehicles, ATMs, and factories



▶ Automotive Systems

Modern cars and vehicles often have operating systems to control various functions such as:

- Infotainment
- Navigation
- Driver assistance technologies while driving and controlling the vehicle.



▶ Embedded Systems

Operating systems are used in embedded systems like:

- Automated Teller Machine (ATM)
- Point of Sale Terminal (POS)



POS terminals enable customers to pay for purchased products by deducting the price from their bank account instead of using cash.

▶ Industrial Control Systems (ICS)

ICS is a broad term that includes:

- Many industrial control systems
- Devices used in industrial facilities



Industrial Control Systems Work on the Following:

- **Control and monitor the progress of industrial processes which increases factory productivity and improves the quality of manufactured products.**
- **Provide a safe environment for health and operational safety by reducing exposure to hazardous materials or environments such as: chemical plants, water and waste treatment centers, nuclear power plants, and refineries**
- **Industrial control systems are used in most industrial sectors such as: energy, transportation, food and petrochemical production, electronics, medical industries, and many other industries.**



Desktop

- ✓ Desktop is the operating system startup screen. It includes a set of symbols called **Icons**. They appear arranged in a specific order over a background.
- ✓ **Background** is an image or color that the user selects.

► Bars contain:

- 1- Icons that symbolize software installed on the operating system.
- 2- Other icons to adjust some system settings such as date, time, sound settings, and network.



The startup screen varies for different operating systems. Also, the startup screen varies according to the version of the operating system.

Lesson 04

Installation and removal of software and digital peripherals



❖ If the Operating System Doesn't Have the Program You Need, You Can Get the Program:

- From a **storage unit** or **by downloading the program online**.

- ❖ You can then install the program on your computer to use it. How you start the installation process depends on the form in which the program comes.

► How the installation process start depends on the form in which the program comes:

- 1- If you purchased the program, the program comes on a CD or DVD, CD to install the program.

- 2- If you downloaded the program from the Internet the program is in the form of a file, and this file is used to install the program.



► First: Installing the Program from a CD or DVD:

- 1- Insert the software disc into your computer **CD** or **DVD** drive. The AutoPlays dialog box will appear.
- 2- The following screen displays one of processes that takes place in **Windows7**
- 3- Click **Run SETUP.EXE**, where **SETUP.EXE** is usually the name of the installation program.
- 4- Follow the installation instructions provided by the software.



Installation procedures differ from one program to another.

► Second: Installing the program from an Internet-downloaded file:

1. Use the "**This PC**" icon to access the downloaded file.
2. Double-clicking the file starts up the installer.



The downloaded file may be compressed. You need to unzip it before accessing the file and selecting the **SETUP.EXE** icon.

► Third: Installing the Program from a Compressed File

1. Extract the compressed files.
2. Double-click the installation file.
3. Follow the installation instructions provided by the software.



► Fourth: Remove or Uninstall a Program

Uninstalling a program means that you delete all the files of the program from your computer.

There Are Two Methods to Remove or Uninstall the Program:

1. **The program does it itself** → using its own removal or uninstallation command.
2. **The operating system** → does it through the **control panel**.



Removing unused programs saves disk storage space and speeds up the device.



► Steps for uninstalling a program on the device

1. Access the **Control Panel** window.
2. Clicking on "**Uninstall a program**" will prompt the window displaying installed programs to appear.
3. Click on the program you wish to uninstall. Then select **Uninstall**.

Setting up and Configuring Hardware

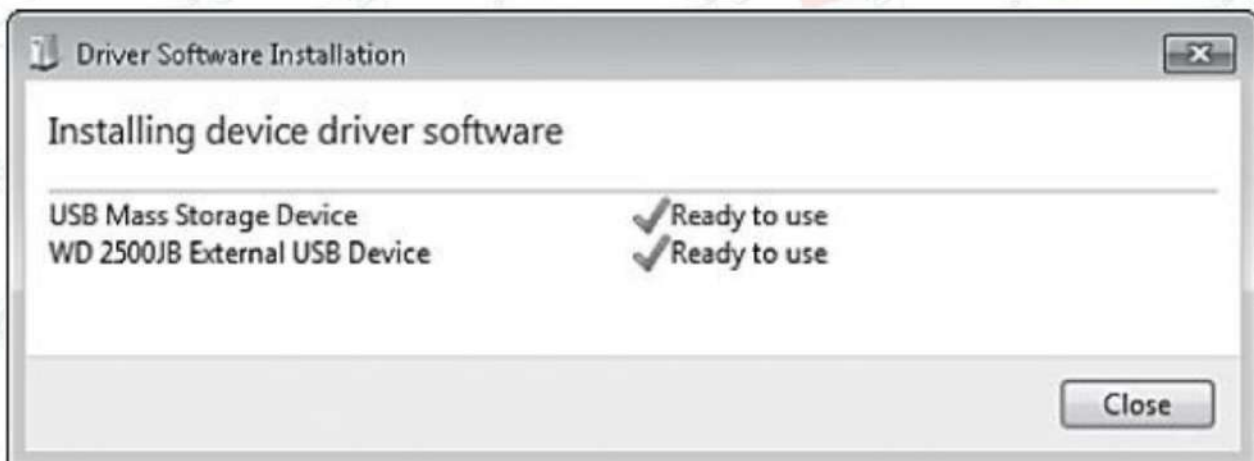
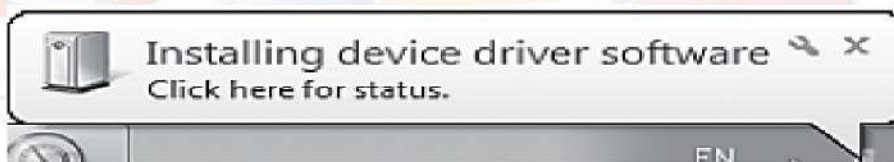
- Operating systems **support many devices attached to the computer** such as printers, webcams, scanners in a way that varies depending on the type of operating system.
- The operating system **automatically detects the new attached device**, and the operating system installs the correct "Driver" for the attached device, so that you can use the new attached device with its full features.

Installing a New Device

New devices include a CD or DVD for setup that contains:

- Driver files
- Utility programs

The **Setup program** automatically copies the **driver** files and the setup information file (**.inf**) into a dedicated folder.



Plug and Play Device Installation

First: When the operating system includes a driver that matches the new peripheral device:

1. The operating system detects the new peripheral.
2. The operating system searches its list of drivers for the appropriate driver for the new peripheral.
3. If it finds a matching driver for the new peripheral, it installs the correct driver file(s).
4. The system automatically installs the driver file and configures the new device and makes other necessary adjustments to the system without any intervention from you.
5. The operating system presents a notification to the user identifying the connected device.

Second: When the Operating System Does Not Include a Matching Driver:

- When the operating system detects that a new device has been connected with the Plug and Play feature (after connecting it to a **USB port**
- But the operating system cannot determine the appropriate **driver** for this new device.
- The operating system runs a wizard program to find the driver for the new peripheral.
- You can determine where the driver for the new peripheral is located, whether this program is on a **CD** or another storage device.

Installing the Printer



► **First: Install a local printer**

directly connected to the computer that supports the plug and play feature

It's connected to the USB port then the plug and play feature will automatically install it.

► **Second: Install a non-plug and play printer:**

1. Access the **control panel**.
2. Select **Hardware and Sound**.
3. Open **Devices and Printers**.
4. Click on **"Add a printer"**.
5. Press **"The printer that I desire is not listed"**.
6. Select **"Add a local printer or network printer with manual settings"**.



To Complete the Setup Process

1. Determine which port your printer is connected to:
 - For most **older printers** that connect to a **parallel port**, the correct choice is the **LPT1 port**.
 - **Modern printers** use the **USB port**.
2. Click "Next" to choose the appropriate driver.
3. From the list of drivers available in the Driver Store, you can choose the one that is compatible with your printer type.

Installation of HP LaserJet 5200 Series PCL5 Printer Driver

1. If you don't find the driver you need:
 - Click "**Have Disk**".
 - Browse your storage devices for the driver you need.
 2. If you don't have a driver to identify your printer or if you suspect that a newer version is available:
 - Click "**Windows Update**" to update the list of printers.
- After the update is complete, check the list again to see if your printer model is available.
- **The last step in the printer setup process is:**
- Give the printer a name. "The default name usually includes the manufacturer and model of the printer."
 - You can change this value to a more descriptive name now or later.



حمل الآن

مجاناً وحصرياً

المراجعة رقم (4)

اختبار شهر اكتوبر





Put (✓) or (X) :

- 1 Green technology tools contribute to increasing the rate of environmental pollution as a result of their use ()
- 2 The idea of sensors in water taps depends only on stopping the water automatically ()
- 3 Electric cars are a form of green technology ()
- 4 The concept of green buildings refers to institutions that can rationalize the consumption of their resources ()
- 5 Smart irrigation systems help increase water consumption ()
- 6 Green technology helps to increase reliance on fossil fuels ()
- 7 Reducing the waste that is produced by reusing and repairing products is called waste management ()
- 8 Green buildings lead to increased energy consumption ()
- 9 Electric transportation helps reduce environmental pollution ()
- 10 Car exhaust affects the atmosphere by increasing the percentage of carbon dioxide ()
- 11 Solar energy technology relies on the use of photovoltaic panels ()
- 12 Digital transformation does not contribute to innovation ()
- 13 Egypt Digital Platform helps to access services easily ()
- 14 Digital transformation helps improve communication with others ()
- 15 Digital transformation does not contribute to improved decision making ()
- 16 Paying bills is one of the services provided by the Digital Egypt platform ()
- 17 Digital transformation increases the use of office supplies (papers – pens) ()
- 18 The hardware components of a computer are managed through a word processing program ()
- 19 Device security and protection are functions of the operating system ()
- 20 Desktop computers use operating systems such as MS Windows. ()
- 21 Smart TVs run on operating systems such as Android TV – Tizen ()



- 22 The hardware components of a computer are managed through a word processing program ()
- 23 Using wearable devices such as smart watches and fitness trackers does not require an operating system ()
- 24 The operating system manages the components ()
- 25 The operating system serves only purposes such as file management ()
- 26 Android from operating system Apple. ()
- 27 POS are electronic devices that do not require an terminals operating system ()
- 28 The desktop consists of a set of icons called Background. ()
- 29 The servers use Linux operating system. ()
- 30 Antivirus software is responsible for managing the hardware and running all other software ()
- 31 Point of sale terminals are electronic devices through which a customer can pay for the products he has purchased ()
- 32 Using wearable devices such as smart watches does not require an operating system ()
- 33 The progress of industrial processes is controlled and monitored through network devices ()
- 34 Removing unused programs increases disk storage space ()
- 35 Operating systems support many devices attached to the computer such as printers and webcams ()
- 36 To uninstall the program through the controlpanel. ()
- 37 The operating system helps you uninstall the program ()
- 38 The program can be removed without the need for the operating system ()
- 39 You cannot use your computer without installing any software ()
- 40 No software can be installed without the approval of the operating system ()
- 41 The new equipment includes a setup CD ()
- 42 No software can be installed without user permission ()



- 43 Many programs come with their own removal or uninstall command
- 44 When the operating system detects a new peripheral device automatically, it installs the appropriatedriver for the peripheral device ()
- 45 Modern operating systems do not include a list of driversfor many peripheral devices ()
- 46 A Driver is a file or files that the operating system installs to use the attached device ()

Choose the correct answers:

- 1- The importance of rationalizing energy consumption in the field of green buildings.....
- A Increased energy costs B Environmental conservation C Increased carbon emissions
- 2- The most important benefits of using renewable energy sources.....
- A reduce pollution B Providing energy sources G A and B together
- 3- All of the following are benefits of using electric cars in the field of smart transportation except.....
- A Reduce fuel consumption B reduce global warming G Increased pollution rate
- 4- Green technology is called.....technology
- A sustainable B Harmful C Traditional
- 5- Electric cars are used to reduce.....
- A Harmful emissions B shipping C congestion



- 6- Examples of renewable energy include geothermal energy, bioenergy, and energy.....
- A Green buildings B hydropower C Fuel
- 7-is converted into a nutrient-rich fertilizer to improve soil fertility
- A Organic waste B electricity C Energy
- 8- Sensors are used in many tasks, including.....
- A Temperature control B Fire smoke detection C all of the above
- 9- Examples of renewable energy.....
- A Solar energy B Coal C Natural gas
- 10- When you use the Digital Egypt portal, this is one of the.....
- A Forms of piracy B Digital Transformation Tools C Forms of cyberbullying
- 11- You can use electronic payment applications through the application
- A Instabay B WhatsApp C Google Meet
- 12- Green technology and digital transformation tools work to.....
- A Reducing environmental damage B High consumption of raw materials C Increased pollution of environmental resources



- 13- One of the common features between green technology and digital transformation is.....
- A Difficulty in digital communication B Access digital services quickly and securely C Ease of data breach
- 14-is one of the advantages of using digital services
- A Save time and effort B Increase cost C Difficulty communicating
- 15- All of the following are advantages of using digital services except.....
- A Paybills B Services Inquiry C Poor communication between citizens and digital service providers
- 16-It enables citizens to access all its services through the Internet or mobile applications
- A Digital transformation B Green Technology C Energysources
- 17- The.....software is responsible for managing the hardware components and running all other software
- A Antivirus B Operating systems C The painter
- 18- Servers use operating systems such as.....
- A Android B Linux C Mac OS
- 19- Operating systems such as Tizen – webOS – Android TV and others are used with devices.....
- A Servers B Smart TV C Printing



- 20-devices are network equipment that require an operating system to operate
- A Routers B Smart TV C Printing
- 21- Most modern cars and vehicles have operating systems to control various functions such as.....
- A Information and navigation systems B Points of sale C ATMs
- 22-It is an electronic device through which the customer can pay for the products he has purchased
- A Point of sale terminals B ATMs C Industrial control systems
- 23-is an example of a device that runs on embedded operating systems
- A Modem B Router C ATM
- 24- All of the following are examples of operating systems except.....
- A Windows B MacOS C PHP
- 25-operating systems are used in ATMs
- A Scanner B embedded C Website Applications
- 26-has its own operating systems optimized for gaming and multimedia applications
- A Servers B Game consoles C Transformers



27- All of the following are functions of the operating system except.....

- A Taking pictures B Memory management C Hardware management

28- The CD in the new hardware settings contains.....

- A Driver files B Your digital footprint C Maps

29- The "Control Panel" is used in.....

- A To change the system B To manage devices C Remove and uninstall

30- The file you downloaded may be compressed. You must first.....the file in order to be able to work with it

- A save B extract C removal

31- When downloading the program from the Internet, the program is in the form of.....used to install the program

- A Digital fingerprint B file C photo

32- Many programs come with their own.....command

- A Installation copies B Uninstall C Installation pressure

33- Removing unused programs results in.....

- A device slow B Save storage space C computer stopped



- 34– Modern operating systems include a list of.....for many peripheral devices
- A Drivers B Viruses C Malware
- 35– Plugand Play is when the operating system the correct driver for the attached device
- A delete B installs C closing
- 36– To install a new peripheralsyou need to provide ,
- A volumes B Drivers C Information and data



Mode (1)

□ Put (✓) or (X) :

1. The idea of sensors in water taps depends only on stopping the water automatically ()
2. The hardware components of a computer are managed through a word processing program ()
3. POS terminals are electronic devices that do not require an operating system ()
4. You cannot use your computer without installing any software ()
5. When the operating system detects a new peripheral device automatically, it installs the appropriatedriver for the peripheral device ()

□ Choose the correct answers:

- 1- The importance of rationalizing energy consumption in the field of green buildings.....
 A Increased energy costs for Environmental conservation C Increased carbon emissions
- 2-is one of the advantages of using digital services
 A Save time and effort for Increase cost C Difficulty communicating
- 3-It is an electronic device through which the customer can pay for the products he has purchased
 A Point of sale terminals for ATMs C Industrial control systems
- 4- Green technology is called.....technology
 A sustainable for Harmful C Traditional
- 5- When downloading the program from the Internet, the program is in the form of.....used to install the program
 A Digital fingerprint for file C photo



Mode (2)

□ Put (✓) or (X) :

1. Green technology tools contribute to increasing the rate of environmental pollution as a result of their use ()
2. The concept of green buildings refers to institutions that can rationalize the consumption of their resources ()
3. Digital transformation does not contribute to improved decision making ()
4. Smart TVs run on operating systems such as Android TV ,Tizen ()
5. Many programs come with their own removal or uninstall command ()

□ Choose the correct answers:

- 1- The CD in the new hardware settings contains.....
 A Driver files for Your digital footprint C Maps
- 2-is an example of a device that runs on embedded operating systems
 A Modem for Router C ATM
- 3- Green technology and digital transformation tools work to.....
 A Reducing environmental damage for High consumption of raw materials C Increased pollution of environmental resources
- 4-It enables citizens to access all its services through the Internet or mobile applications
 A Digital transformation for Green Technology C Energysources
- 5- The "Control Panel" is used in.....
 A To change the system for To manage devices C Remove and uninstall



Put (✓) or (X) :

- 1 Green technology tools contribute to increasing the rate of environmental pollution as a result of their use (X)
- 2 The idea of sensors in water taps depends only on stopping the water automatically (X)
- 3 Electric cars are a form of green technology (✓)
- 4 The concept of green buildings refers to institutions that can rationalize the consumption of their resources (✓)
- 5 Smart irrigation systems help increase water consumption (X)
- 6 Green technology helps to increase reliance on fossil fuels (X)
- 7 Reducing the waste that is produced by reusing and repairing products is called waste management (✓)
- 8 Green buildings lead to increased energy consumption (X)
- 9 Electric transportation helps reduce environmental pollution (✓)
- 10 Car exhaust affects the atmosphere by increasing the percentage of carbon dioxide (✓)
- 11 Solar energy technology relies on the use of photovoltaic panels (X)
- 12 Digital transformation does not contribute to innovation (X)
- 13 Egypt Digital Platform helps to access services easily (✓)
- 14 Digital transformation helps improve communication with others (✓)
- 15 Digital transformation does not contribute to improved decision making (X)
- 16 Paying bills is one of the services provided by the Digital Egypt platform (✓)
- 17 Digital transformation increases the use of office supplies (papers – pens) (X)
- 18 The hardware components of a computer are managed through a word processing program (X)
- 19 Device security and protection are functions of the operating system (✓)
- 20 Desktop computers use operating systems such as MS Windows. (✓)
- 21 Smart TVs run on operating systems such as Android TV – Tizen (✓)



- 22 The hardware components of a computer are managed through a word processing program (x)
- 23 Using wearable devices such as smart watches and fitness trackers does not require an operating system (x)
- 24 The operating system manages the components (✓)
- 25 The operating system serves only purposes such as file management (x)
- 26 Android from operating system Apple. (x)
- 27 POS are electronic devices that do not require an terminals operating system (x)
- 28 The desktop consists of a set of icons called Background. (x)
- 29 The servers use Linux operating system. (✓)
- 30 Antivirus software is responsible for managing the hardware and running all other software (x)
- 31 Point of sale terminals are electronic devices through which a customer can pay for the products he has purchased (✓)
- 32 Using wearable devices such as smart watches does not require an operating system (x)
- 33 The progress of industrial processes is controlled and monitored through network devices (x)
- 34 Removing unused programs increases disk storage space (✓)
- 35 Operating systems support many devices attached to the computer such as printers and webcams (✓)
- 36 To uninstall the program through the controlpanel. (✓)
- 37 The operating system helps you uninstall the program (✓)
- 38 The program can be removed without the need for the operating system (x)
- 39 You cannot use your computer without installing any software (✓)
- 40 No software can be installed without the approval of the operating system (✓)
- 41 The new equipment includes a setup CD (✓)
- 42 No software can be installed without user permission (✓)



- 43 Many programs come with their own removal or uninstall command (✓)
- 44 When the operating system detects a new peripheral device automatically, it installs the appropriatedriver for the peripheral device (✓)
- 45 Modern operating systems do not include a list of driversfor many peripheral devices (✗)
- 46 A Driver is a file or files that the operating system installs to use the attached device (✓)

Choose the correct answers:

- 1- The importance of rationalizing energy consumption in the field of green buildings.....
- A Increased energy costs B **Environmental conservation** C Increased carbon emissions
- 2- The most important benefits of using renewable energy sources.....
- A reduce pollution B Providing energy sources C **A and B together**
- 3- All of the following are benefits of using electric cars in the field of smart transportation except.....
- A Reduce fuel consumption B reduce global warming C **Increased pollution rate**
- 4- Green technology is called.....technology
- A **sustainable** B Harmful C Traditional
- 5- Electric cars are used to reduce.....
- A **Harmful emissions** B shipping C congestion



- 6- Examples of renewable energy include geothermal energy, bioenergy, and energy.....
- A Green buildings B **hydropower** C Fuel
- 7-is converted into a nutrient-rich fertilizer to improve soil fertility
- A **Organic waste** B electricity C Energy
- 8- Sensors are used in many tasks, including.....
- A Temperature control B Fire smoke detection C **all of the above**
- 9- Examples of renewable energy.....
- A **Solar energy** B Coal C Natural gas
- 10- When you use the Digital Egypt portal, this is one of the.....
- A Forms of piracy B **Digital Transformation Tools** C Forms of cyberbullying
- 11- You can use electronic payment applications through the application
- A **Instabay** B WhatsApp C Google Meet
- 12- Green technology and digital transformation tools work to.....
- A **Reducing environmental damage** B High consumption of raw materials C Increased pollution of environmental resources



- 13- One of the common features between green technology and digital transformation is.....
- A Difficulty in digital communication B Access digital services quickly and securely C Ease of data breach
- 14-is one of the advantages of using digital services
- A Save time and effort B Increase cost C Difficulty communicating
- 15- All of the following are advantages of using digital services except.....
- A Paybills B Services Inquiry C Poor communication between citizens and digital service providers
- 16-It enables citizens to access all its services through the Internet or mobile applications
- A Digital transformation B Green Technology C Energysources
- 17- The.....software is responsible for managing the hardware components and running all other software
- A Antivirus B Operating systems C The painter
- 18- Servers use operating systems such as.....
- A Android B Linux C Mac OS
- 19- Operating systems such as Tizen – webOS – Android TV and others are used with devices.....
- A Servers B Smart TV C Printing



- 20-devices are network equipment that require an operating system to operate
- A **Routers** B Smart TV C Printing
- 21- Most modern cars and vehicles have operating systems to control various functions such as.....
- A **Information and navigation systems** B Points of sale C ATMs
- 22-It is an electronic device through which the customer can pay for the products he has purchased
- A **Point of sale terminals** B ATMs C Industrial control systems
- 23-is an example of a device that runs on embedded operating systems
- A Modem B Router G **ATM**
- 24- All of the following are examples of operating systems except.....
- A Windows B MacOS C **PHP**
- 25-operating systems are used in ATMs
- A Scanner B **embedded** C Website Applications
- 26-has its own operating systems optimized for gaming and multimedia applications
- A Servers B **Game consoles** C Transformers



27- All of the following are functions of the operating system except.....

- A **Taking pictures** B Memory management C Hardware management

28- The CD in the new hardware settings contains.....

- A **Driver files** B Your digital footprint C Maps

29- The "Control Panel" is used in.....

- A To change the system B To manage devices C **Remove and uninstall**

30- The file you downloaded may be compressed. You must first.....the file in order to be able to work with it

- A save B **extract** C removal

31- When downloading the program from the Internet, the program is in the form of.....used to install the program

- A Digital fingerprint B **file** C photo

32- Many programs come with their own.....command

- A Installation copies B **Uninstall** C Installation pressure

33- Removing unused programs results in.....

- A device slow B **Save storage space** C computer stopped



- 34– Modern operating systems include a list of.....for many peripheral devices
- A **Drivers** B Viruses C Malware
- 35– Plugand Play is when the operating system the correct driver for the attached device
- A delete B **installs** C closing
- 36– To install a new peripheralsyou need to provide ,
- A volumes B **Drivers** C Information and data



Mode (1)

□ Put (√) or (X) :

1. The idea of sensors in water taps depends only on stopping the water automatically (X)
2. The hardware components of a computer are managed through a word processing program (X)
3. POS terminals are electronic devices that do not require an operating system (X)
4. You cannot use your computer without installing any software (√)
5. When the operating system detects a new peripheral device automatically, it installs the appropriatedriver for the peripheral device (√)

□ Choose the correct answers:

- 1- The importance of rationalizing energy consumption in the field of green buildings.....
 A Increased energy costs for **Environmental conservation** C Increased carbon emissions
- 2-is one of the advantages of using digital services
 A **Save time and effort** for Increase cost C Difficulty communicating
- 3-It is an electronic device through which the customer can pay for the products he has purchased
 A **Point of sale terminals** for ATMs C Industrial control systems
- 4- Green technology is called.....technology
 A **sustainable** for Harmful C Traditional
- 5- When downloading the program from the Internet, the program is in the form of.....used to install the program
 A Digital fingerprint for **file** C photo

Mode (2)



□ Put (✓) or (X) :

1. Green technology tools contribute to increasing the rate of environmental pollution as a result of their use (X)
2. The concept of green buildings refers to institutions that can rationalize the consumption of their resources (✓)
3. Digital transformation does not contribute to improved decision making (X)
4. Smart TVs run on operating systems such as Android TV ,Tizen (✓)
5. Many programs come with their own removal or uninstall command (✓)

□ Choose the correct answers:

- 1- The CD in the new hardware settings contains.....
 A Driver files for Your digital footprint C Maps
- 2-is an example of a device that runs on embedded operating systems
 A Modem for Router C ATM
- 3- Green technology and digital transformation tools work to.....
 A Reducing environmental damage for High consumption of raw materials C Increased pollution of environmental resources
- 4-It enables citizens to access all its services through the Internet or mobile applications
 A Digital transformation for Green Technology C Energysources
- 5- The "Control Panel" is used in.....
 A To change the system for To manage devices C Remove and uninstall

حمل الآن

مجاناً وحصرياً

المراجعة رقم (5)

اختبار شهر اكتوبر



Q1: Choose the correct answer from a, b, c, or d.

1. All of the following are the benefits of using electric cars in smart transportation except
 - a. increasing pollution
 - b. reducing carbon dioxide emissions
 - c. reducing global warming
 - d. reducing fuel consumption
2. is one of the benefits of waste recycling materials like plastic and paper.
 - a. Wasting resources
 - b. Reducing waste
 - c. Polluting the environment
 - d. Increasing global warming
3. is one of the advantages of using smart irrigation system.
 - a. Increasing water consumption
 - b. Increasing Global Warming
 - c. Reducing water waste
 - d. Reducing waste
4. Using water treatment systems helps in
 - a. increasing water consumption
 - b. conserving water
 - c. increasing waste rates
 - d. saving electrical energy
5. are devices used to conserve water and electricity.
 - a. Sensors
 - b. Televisions
 - c. Computers
 - d. Household appliances



6. Green Buildings are important to
 - a. Increase energy costs
 - b. Increase carbon dioxide
 - c. Protect the environment
 - d. Increase global warming
7. The main benefits of using renewable energy sources include
 - a. reducing pollution
 - b. increasing reliance on fuel
 - c. providing energy sources
 - d. both (a) and (c)
8. Green technology helps in
 - a. increasing carbon emissions
 - b. increasing pollution rates
 - c. reducing the effects of climate change
 - d. increasing energy costs
9. Electric cars use instead of fuel.
 - a. turbines
 - b. batteries
 - c. transformers
 - d. hydropower
10. Egypt contributes to the field of digital transformation by all of the following except
 - a. providing digital services to citizens
 - b. encouraging the use of technology in education
 - c. increasing energy using
 - d. supporting institutions and companies



11. is one of the advantages of using digital services.
- a. Saving time and effort
 - b. Difficulty of communication
 - c. Difficulty in meeting others
 - d. Increasing the costs
12. All of the following are advantages of using the Digital Egypt Platform except
- a. accessing to the government services
 - b. electronic payment
 - c. innovations and creativity
 - d. communication weakness between the citizens and the digital service providers
13. is an application that allows sending and receiving money through a bank account or a digital wallet.
- a. INSTAPAY
 - b. Egyptian Knowledge Bank
 - c. Digital Egypt Platform
 - d. Zoom
14. All of the following are examples of the integration of green technology and digital transformation except
- a. smart energy grids
 - b. precision farming
 - c. using old transportation
 - d. smart transportation



15. When using the Egypt Digital Portal, it is considered as one of the
a. piracy forms
b. digital transformation tools
c. irresponsible websites usage
d. electronic assault forms
16. Electronic payment applications can be used within the app
a. INSTAPAY
b. Google Meet
c. WhatsApp
d. Email
17. is a common characteristic shared by green technology and digital transformation.
a. Challenges in digital communication between citizens and government services offered by relevant ministries
b. Slow processes for acquiring digital services
c. Access digital services quickly and securely
d. Ease of hacking data on the Internet
18. Green technology and digital transformation tools work on
a. increasing environmental resource pollution
b. reducing harm to the surrounding environment
c. increasing the rate of raw materials consumption
d. raising the costs of digital services
19. is one of the examples of operating systems in embedded systems.
a. Modern
b. ATM
c. Converter
d. Router



20. are characterized by special operating systems optimized for gaming and multimedia applications.
- a. Servers
 - b. Embedded systems
 - c. Converters
 - d. Gaming consoles
21. All of the following are functions performed by the operating system except
- a. managing hardware components
 - b. managing the file system
 - c. taking photos
 - d. managing memory
22. Modern cars and vehicles contain operating systems to control various functions such as
- a. information systems
 - b. driver assistance technologies
 - c. (a) and (b)
 - d. converters
23. Smartphones and tablets rely on operating systems.
- a. Windows
 - b. macOS
 - c. Linux
 - d. Android or iOS
24. systems are used in ATMs.
- a. Windows
 - b. Embedded
 - c. Linux
 - d. Scanners



25. All of the following are examples of operating systems except
- a. Windows
 - b. Linux
 - c. macOS
 - d. PHP
26. Industrial control systems help to
- a. adjust and monitor the progress of industrial processes
 - b. pay bills
 - c. manage networks
 - d. install programs
27. The software is responsible for managing the hardware components and running all other software.
- a. Antivirus
 - b. Operating systems
 - c. Word processing
 - d. Painter
28. Servers use operating systems like
- a. Android
 - b. Tizen
 - c. Linux
 - d. macOS
29. Operating systems like Android TV, Tizen, webOS, etc. are used with devices.
- a. smart TV
 - b. server
 - c. print
 - d. networking



30. devices are network equipment that require an operating system to operate.
- a. Television
 - b. Printing
 - c. Smartwatches
 - d. Routers
31. Most modern cars and vehicles have operating systems to control various functions such as
- a. Information and navigation systems
 - b. Point of sale
 - c. ATMs
 - d. Printing
32. is an electronic device through which the customer can pay for the products he has purchased.
- a. POS Terminals
 - b. ATMs
 - c. Industrial control system
 - d. Smartwatch
33. The CD in the new device settings contains
- a. driver files
 - b. your digital footprint
 - c. Maps
 - d. GPS
34. Control Panel is used for
- a. connecting to the internet
 - b. opening the mail
 - c. downloading files from the Internet
 - d. removing or uninstalling programs



35. The file you download might be compressed, so you first need to the file to be able to work with it.
- a. save
 - b. extract
 - c. install
 - d. remove
36. Removing a program means that you are the computer.
- a. copying all the program files to
 - b. deleting all the program files from
 - c. pasting all the program files to
 - d. saving all the program files from
37. Many programs come with a command to their installation.
- a. copy their installation
 - b. uninstall their installation
 - c. paste their installation
 - d. compress their installation
38. Removing unused programs leads to
- a. slowing down the computer
 - b. saving storage space
 - c. difficulty in using the device
 - d. stopping the computer
39. When the operating system automatically detects a new peripheral device, it
- a. deletes the driver for the peripheral device
 - b. installs the appropriate driver for the peripheral device
 - c. shuts down the computer
 - d. restarts the computer



40. To install a new peripheral device, it is required to provide
- a. information and data
 - b. drivers
 - c. folders
 - d. images
41. Modern operating systems include a list of for many accessory devices.
- a. malware
 - b. viruses
 - c. songs
 - d. drivers
42. The Plug and Play feature is
- a. the operating system deletes the correct and appropriate driver for the new peripheral device
 - b. The operating system installs the correct and appropriate driver for the new peripheral device
 - c. The operating system copies the correct and appropriate driver for the new peripheral device
 - d. The operating system shuts down the computer



Q2: Put (✓) or (X) for the following sentences.

1. Smart irrigation systems help increase water consumption. ()
2. Green technology helps increase the use of fossil fuels. ()
3. Electric cars help reduce traffic jam. ()
4. Sensors help reduce carbon dioxide emissions. ()
5. Green technology tools contribute to increasing the rate of environmental pollution as a result of their use. ()
6. The idea of sensors in water taps depends only on stopping the water automatically. ()
7. Electric cars are one of the forms of green technology. ()
8. The concept of green buildings is given to institutions that can rationalize the consumption of their resources. ()
9. Digital transformation does not help to improve innovation. ()
10. The Digital Egypt Platform helps to access government services easily. ()
11. Digital transformation helps to improve communication with others. ()
12. Bills payment is one of the services provided by the Digital Egypt Platform. ()
13. Digital transformation cannot help you to make decisions. ()
14. Digital transformation reduces the quality of life. ()
15. Tizen and webOS are examples of smart cell phones. ()
16. Routers and switches use operating systems for network management. ()
17. ATM is an example for automotive systems. ()
18. Gaming consoles are examples of operating systems tailored for gaming and multimedia purposes. ()



19. ICS stands for industrial control systems. ()
20. A word processing program manages the computer hardware components. ()
21. Device security and protection are inherent features of the operating system. ()
22. Desktop computers utilize operating systems like Microsoft Windows. ()
23. Smart TVs operate on platforms like Android TV and Tizen. ()
24. Using wearable devices like smartwatches and fitness trackers does not necessitate an operating system. ()
25. We can remove the program without the need for the operating system. ()
26. We cannot use the computer without installing any program. ()
27. No program can be installed without the permission of the operating system. ()
28. Operating systems do not support any peripheral devices. ()
29. New devices include a CD for setup. ()
30. The program cannot be installed without the user's approval. ()
31. While you are preparing and getting ready to implement your project on your computer, you must make sure that the required programs are on the device. ()
32. Many programs come with their own removal or uninstallation command. ()
33. To uninstall the program, use the Control Panel. ()
34. The operating system helps you uninstall the program. ()
35. Removing unused programs increases the storage space on the disk. ()



36. Operating systems support many devices attached to the computer such as printers and webcam. ()
37. When the operating system automatically detects the new peripheral device, it installs the appropriate driver for the peripheral device. ()
38. Modern operating systems do not include a list of drivers for many accessory devices. ()
39. A driver is a file or files that the operating system installs to use the new peripheral device with its full features. ()

Q3: Complete the following sentences.

1. helps to reduce greenhouse gas emissions.
2. is a technique that helps reduce the rate of global warming.
3. helps in conserving natural resources.
4. Rationalizing consumption helps protect from pollution.
5. is one of the most important fields of green technology.
6. is the combination of digital technology into all aspects of business.
7. Digital transformation helps improve and productivity.
8. Digital transformation enhances and development in institutions and companies.
9. The Platform helps to access the electronic services easily.
10. The operating system is an interface between,, and software.



11. The operating system can be responsible for running all software and managing
12. Server use like Microsoft Windows server operating system.
13. contains icons that represent software installed on the operating system.
14. Industrial control systems control and

Q4: Write the steps of the following

1- Write the steps to install the program from a CD or DVD on the computer.

1.
2.
3.

2- Write the steps to install the program from a file downloaded from the Internet on the computer.

1.
2.
3.

3- Write the steps to install the program from a compressed file on the computer.

1.
2.
3.



4- Write the steps to remove a program installed on the device through the Control Panel.

1.

2.

3.

5- Write the steps to install a local printer (i.e. directly connected to the computer) that supports the Plug and Play feature.

1.

2.

6- Write the steps to install a printer that does not support the Non-Plug and Play printer feature.

1.

2.

3.



Model Answers

Q1: Choose the correct answer from a, b, c, or d.

1. All of the following are the benefits of using electric cars in smart transportation except
 - a. **increasing pollution**
 - b. reducing carbon dioxide emissions
 - c. reducing global warming
 - d. reducing fuel consumption
2. is one of the benefits of waste recycling materials like plastic and paper.
 - a. Wasting resources
 - b. **Reducing waste**
 - c. Polluting the environment
 - d. Increasing global warming
3. is one of the advantages of using smart irrigation system.
 - a. Increasing water consumption
 - b. Increasing Global Warming
 - c. **Reducing water waste**
 - d. Reducing waste
4. Using water treatment systems helps in
 - a. increasing water consumption
 - b. **conserving water**
 - c. increasing waste rates
 - d. saving electrical energy
5. are devices used to conserve water and electricity.
 - a. **Sensors**
 - b. Televisions
 - c. Computers
 - d. Household appliances



6. Green Buildings are important to
- Increase energy costs
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- a. Modern
 - b. ATM
 - c. Converter
 - d. Router



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 - Embedded systems
 - Converters
 - Gaming consoles
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 - managing the file system
 - taking photos
 - managing memory
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 - driver assistance technologies
 - (a) and (b)
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 - macOS
 - Linux
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 - Linux
 - Scanners



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 - b. Linux
 - c. macOS
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 - c. Word processing
 - d. Painter
28. Servers use operating systems like
- a. Android
 - b. Tizen
 - c. **Linux**
 - d. macOS
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- a. **smart TV**
 - b. server
 - c. print
 - d. networking



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 - b. Printing
 - c. Smartwatches
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 - d. Smartwatch
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 - b. your digital footprint
 - c. Maps
 - d. GPS
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- a. connecting to the internet
 - b. opening the mail
 - c. downloading files from the Internet
 - d. **removing or uninstalling programs**



35. The file you download might be compressed, so you first need to the file to be able to work with it.
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 - b. **extract**
 - c. install
 - d. remove
36. Removing a program means that you are the computer.
- a. copying all the program files to
 - b. **deleting all the program files from**
 - c. pasting all the program files to
 - d. saving all the program files from
37. Many programs come with a command to their installation.
- a. copy their installation
 - b. **uninstall their installation**
 - c. paste their installation
 - d. compress their installation
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- a. slowing down the computer
 - b. **saving storage space**
 - c. difficulty in using the device
 - d. stopping the computer
39. When the operating system automatically detects a new peripheral device, it
- a. deletes the driver for the peripheral device
 - b. **installs the appropriate driver for the peripheral device**
 - c. shuts down the computer
 - d. restarts the computer



40. To install a new peripheral device, it is required to provide
- a. information and data
 - b. **drivers**
 - c. folders
 - d. images
41. Modern operating systems include a list of for many accessory devices.
- a. malware
 - b. viruses
 - c. songs
 - d. **drivers**
42. The Plug and Play feature is
- a. the operating system deletes the correct and appropriate driver for the new peripheral device
 - b. **The operating system installs the correct and appropriate driver for the new peripheral device**
 - c. The operating system copies the correct and appropriate driver for the new peripheral device
 - d. The operating system shuts down the computer



Q2: Put (✓) or (X) for the following sentences.

- 1- Smart irrigation systems help increase water consumption. (F)
- 2- Green technology helps increase the use of fossil fuels. (F)
- 3- Electric cars help reduce traffic jam. (F)
- 4- Sensors help reduce carbon dioxide emissions. (F)
- 5- Green technology tools contribute to increasing the rate of environmental pollution as a result of their use. (F)
- 6- The idea of sensors in water taps depends only on stopping the water automatically. (F)
- 7- Electric cars are one of the forms of green technology. (T)
- 8- The concept of green buildings is given to institutions that can rationalize the consumption of their resources. (T)
- 9- Digital transformation does not help to improve innovation. (F)
- 10- The Digital Egypt Platform helps to access government services easily. (T)
- 11- Digital transformation helps to improve communication with others. (T)
- 12- Bills payment is one of the services provided by the Digital Egypt Platform. (T)
- 13- Digital transformation cannot help you to make decisions. (F)
- 14- Digital transformation reduces the quality of life. (F)
- 15- Tizen and webOS are examples of smart cell phones. (F)
- 16- Routers and switches use operating systems for network management. (T)
- 17- ATM is an example for automotive systems. (F)
- 18- Gaming consoles are examples of operating systems tailored for gaming and multimedia purposes. (T)



- 19- ICS stands for industrial control systems. (T)
- 20- A word processing program manages the computer hardware components. (F)
- 21- Device security and protection are inherent features of the operating system. (T)
- 22- Desktop computers utilize operating systems like Microsoft Windows. (T)
- 23- Smart TVs operate on platforms like Android TV and Tizen. (T)
- 24- Using wearable devices like smartwatches and fitness trackers does not necessitate an operating system. (F)
- 25- We can remove the program without the need for the operating system. (T)
- 26- We cannot use the computer without installing any program. (T)
- 27- No program can be installed without the permission of the operating system. (T)
- 28- Operating systems do not support any peripheral devices. (F)
- 29- New devices include a CD for setup. (T)
- 30- The program cannot be installed without the user's approval. (T)
- 31- While you are preparing and getting ready to implement your project on your computer, you must make sure that the required programs are on the device. (T)
- 32- Many programs come with their own removal or uninstallation command. (T)
- 33- To uninstall the program, use the Control Panel. (T)
- 34- The operating system helps you uninstall the program. (T)
- 35- Removing unused programs increases the storage space on the disk. (T)



- 36- Operating systems support many devices attached to the computer such as printers and webcam. (T)
- 37- When the operating system automatically detects the new peripheral device, it installs the appropriate driver for the peripheral device. (T)
- 38- Modern operating systems do not include a list of drivers for many accessory devices. (F)
- 39- A driver is a file or files that the operating system installs to use the new peripheral device with its full features. (T)

Q3: Complete the following sentences.

- 1-Green technology..... helps to reduce greenhouse gas emissions.
- 2-Electric cars..... is a technique that helps reduce the rate of global warming.
- 3- ...Green technology..... helps in conserving natural resources.
- 4- Rationalizing consumption helps protect .environment..... from pollution.
- 5-Rationalizing energy..... is one of the most important fields of green technology.
- 6-Digital transformation..... is the combination of digital technology into all aspects of business.
- 7- Digital transformation helps improveEfficiency..... and productivity.
- 8- Digital transformation enhances ..innovation..... and development in institutions and companies.
- 9- TheDigital Egypt..... Platform helps to access the electronic services easily.



- 10- The operating system is an interface between ...**user**....., **hardware**....., and software.
- 11- The operating system can be responsible for running all software and managing**hardware**.....
- 12- Server use **operating systems**..... like Microsoft Windows server operating system.
- 13-**Desktop Bars**..... contains icons that represent software installed on the operating system.
- 14- Industrial control systems control ..**performance of machines**..... and**industry processes**

Q4: Write the steps of the following

- 1- Write the steps to install the program from a CD or DVD on the computer.

.....**insert the disc to CD/ DVD drive**.....

.....**Run setup.EXE**.....

.....**Follow the instructions of installation**.....

- 2- Write the steps to install the program from a file downloaded from the Internet on the computer.

.....**access the downloaded file**.....

...**Double click the file to. Start installing**.....

.....**Follow installation instructions**.....



3- Write the steps to install the program from a compressed file on the computer.

...Extract the compressed file.....

.....Double click installation file.....

...Follow installation instructions.....

4- Write the steps to remove a program installed on the device through the Control Panel.

access control panel.....

..click uninstall a program.....

.....click on the program then uninstall

5- Write the steps to install a local printer (i.e. directly connected to the computer) that supports the Plug and Play feature.

.....Connect to USB port.....

...the plug and play feature will automatically install it.....

6- Write the steps to install a printer that does not support the Non-Plug and Play printer feature.

...access control panels.....

...select hardware and sounds then devices and printers.....

.....click add printer.....



كيفية طباعة صفحات معينة من ملف معين مثلا ازاي نطبع الصفحات من صفحة 4 الى صفحة 9

